

1 10. A wiper arm of the type containing an arm body that
2 extends longitudinally from a rear driving end towards a front end that bears a
3 wiper arm, and of the type in which, in cross section, at least a section of the arm
4 body has an upturned U-shaped cross-section defined by two upstream and
5 downstream wings mutually connected by an upper back extending towards a
6 surface to be wiped, consisting of a downstream wing remaining substantially
7 perpendicular to the upper back and the inclined upstream wing forming an
8 acute angle relative to a median plane parallel to the downstream wing to form
9 an aerodynamic deflector integrated in the wiper arm which, by the 'action' of a
10 relative downwind direction, tends to urge the wiper arm towards the surface to
11 be wiped, characterized by the upstream wing presenting a surface (the curve) of
12 which varies progressively from one end to the other of the wiper arm body, and
13 of which the value of the acute angle ranges between 30° and 45°.

1 11. The wiper arm according to claim 10, characterized by the
2 upstream wing presenting a substantially planar surface.

1 12. The wiper arm according to claim 10, characterized by the
2 value of the acute angle ranging between 32° and 35°.

3 13. The wiper arm according to claim 10, characterized by a
4 height of the downstream wing being lower than a height of the upstream wing,
5 and that the ratio of the two heights ranges between 0.65 and 0.85.

1 14. The wiper arm according to claim 10, characterized by, in
2 cross-section, the value of an angle between a straight line passing by lower
3 edges of the downstream and upstream wings and the tangent to the upper
4 back at the level of the median plane, ranging between 7° and 16°.

1 15. The wiper arm according to claim 10, characterized by at
2 least one of the upstream and downstream wings containing a longitudinal
3 reinforcement rib.

1 16. The wiper arm according to claim 10, characterized by at
2 least one of the upstream and downstream wings, containing an interior
3 reinforcement fold.

1 17. The wiper arm according to claim 10, characterized by the
2 inclined acute angle of the upstream wing varying progressively in such a way
3 that the two wings are parallel at the rear and front ends of the wiper arm body.

1 18. The wiper arm according to claim 10, characterized by
2 being produced in one piece of serrated, bent sheet metal.

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